

### **REMARKS**

Reconsideration of this application as amended is respectfully requested.

In the Office Action, claims 8-22, 25, 27, 37, 39-49, 97, 101-105, 108-127 are pending. Claims 1-7, 23, 24, 26, 28-36, 38, 50-96, 106, 107 and 128-132 have been withdrawn from consideration. Claims 8-18, 37, 39-49, 97, 101-105, 108-116, 124, 126 and 127 have been allowed. Claims 19, 21, 22, 25, 27, 117, 119-121, 123 and 125 have been rejected. And claims 20, 118 and 122 have been objected to.

In this response, no claim has been canceled. Claims 8, 10-17, 19, 22, 25, 27, 37, 42, 44, 46, 47, 97, 102-105, 108-115, 117, 120, 123 and 125 have been amended to place those claims in a form that Applicant prefers. The amendments are supported by the specification, for example, in page 29, lines 8-10: "the current pixel of the second image is blended with the current pixel of the first image to produce the output pixel according to the formula..."

Applicant acknowledges with appreciation the allowance of claims 8-18, 37, 39-49, 97, 101-105, 108-116, 124, 126 and 127. Among the allowed claims 8, 10-17, 37, 42, 44, 46, 47, 97, 102-105, and 108-115, references to "first pixel" have been amended to "pixel" for claim language consistency. Also, Applicant elects not to place the limitations of the objected-to claims 20, 118 and 122 into their corresponding independent claims because Applicant respectfully believes that the amended independent claims are in condition for allowance.

Further, the Office Action Summary rejected claim 121 and objected to claim 122. Applicant respectfully submits that claims 121 and 122 are dependent on allowed claim 97 and requests withdrawal of the rejection of claim 121 and the objection to claim 122. No new claim has been added. Thus, claims 8-22, 25, 27, 37, 39-49, 97, 101-105, 108-127 remain pending. No new matter has been added.

### EXAMINER INTERVIEW

Applicant thanks Examiner Chante Harrison for granting a telephone interview with Applicant's representatives on Dec 6, 2007. The interview included discussions of the Office Action's 35 U.S.C. §102 rejection of claims 19, 22, 25, 117, 120 and 123 in view of cited reference *MacInnis*, and §103 rejection of claims 27 and 125 in view of cited reference *Cherry*. Further, independent claims 22 and 27 as presented in this Response have been extensively discussed. Pursuant to the interview, Applicant has amended the claims to more clearly distinguish over the above cited references.

### REJECTIONS UNDER 35 U.S.C. §102

Claims 19, 21, 22, 25, 117, 119, 120 and 123 have been rejected under 35 U.S.C. § 102(e) as being allegedly anticipated by U.S. Publication No. 2007/0103489 to Alexandre MacInnis, et al. ("*MacInnis*"). Applicant reserves the right to challenge *MacInnis*' claimed priority from provisional application No. 60/107,875 on any ground, including but not limited to a lack of disclosure in the provisional application of one or more features in *MacInnis* that are relied upon by the Examiner in the rejections.

A claim must be anticipated for a proper rejection under §102(a), (b), and (e). This requirement is satisfied "only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference"; see MPEP §2131 and *Verdegaal Bros. V. Union Oil*, 814 F.2d 628, 2 USPQ2d 1051 (Fed. Cir. 1984). A rejection under §102(b) may be overcome by showing that the claims are patentably distinguishable from the prior art; see MPEP §706.02(b).

*MacInnis* discloses a graphics chip processing analog video input, digital video input, graphics input and audio input simultaneously. See *MacInnis* Abstract.

Applicant respectfully submits that *MacInnis* does not teach or suggest all pending claims limitations. In particular, independent claims 19, 22, 25, 117, 120 and 123 recite “**performing blanking processing to generate the pixel of the output image** if the first display position is not within the active display region of the display panel.” Paragraph [0064] of *MacInnis*, as cited by page 3 of the Office Action, discloses not being able to rewrite CLUT within a horizontal blanking interval. According to *MacInnis*, its CLUT is a color look-up table used to supply color and alpha values to the raw graphics data, and must be loaded from external memory to on-chip memory before the graphics window is displayed. See *MacInnis* paragraph [0166]. Since *MacInnis* teaches away from rewriting CLUT during horizontal blanking interval, it does not disclose performing blanking processing for any purpose, including but not limited to generating a pixel of the output image. Therefore, *MacInnis* does not disclose performing blanking processing to generate the pixel of the output image.

Hence, *MacInnis* does not teach or suggest all claim limitations of claim 19, 22, 25, 117, 120 or 123. The presently claimed invention is, accordingly, patentably distinguishable over the cited reference. In the view of the foregoing, it is respectfully asserted that independent claims 19, 22, 25, 117, 120 and 123 are now in condition for allowance. Further, claims 20, 21, 118 and 119 are also allowable by virtue of their dependency on allowable base claims. Applicant therefore respectfully submits that the rejections based on *MacInnis* reference be withdrawn.

#### REJECTIONS UNDER 35 U.S.C. § 103

Claims 27 and 125 have been rejected under 35 U.S.C. §103(a) as being allegedly unpatentable over U.S. Patent No. 5,629,720 to Robert Cherry, et al. (“*Cherry*”).

Under MPEP §706.02(j), in order to establish a prima facie case of obviousness required for a §103 rejection, the prior art must teach or suggest all the claim limitations (MPEP §2143.03). See *In re Royka*, 490 F. 2d 981, 180 USPQ 580 (CCPA 1974).

*Cherry* discloses a graphics system maintaining multiple window-specific color look-up tables (CLUTs) for multiple display windows. Its display mode processor maps pixel inputs into addresses that can be used to look up specific color from the CLUTs.

Applicant respectfully submits *Cherry* does not teach or suggest all of the claim limitations of claims 27 and 125. Independent claims 27 and 125 recite “**performing blanking processing to generate the pixel of the output image** if the first display position is not within the active display region of the display panel.” Column 4, lines 21-25 of *Cherry*, as cited on page 7 of the Office Action, disclose “updating the color maps during the vertical blanking interval of the display device.” *Cherry*’s color map is a color look-up table (CLUT). See *Cherry* col. 1, lines 21-22. *Cherry* teaches mapping a pixel into an address corresponding to the color look up table. Such address is used “as an index into the look-up table” to look up a value used to “control the display color for that pixel.” See *Cherry* col. 1, lines 23-26. Since multiple pixels can have the same displaying color, each color value within the CLUT would be associated with multiple pixels, and cannot be used to identify a pixel of the output image. Thus, *Cherry*’s color maps cannot be used to generate a pixel of output image, and likewise “updating the color maps” cannot be interpreted as generating a pixel of output image. Therefore, *Cherry* does not disclose “performing blanking processing to generate the pixel of the output image.”

Thus, Applicant respectfully submits that claims 27 and 125 recite novel subject matter which distinguishes over *Cherry*, and are in condition for allowance. Applicant therefore respectfully requests that the rejections based on *Cherry* reference be withdrawn.

### CONCLUSION

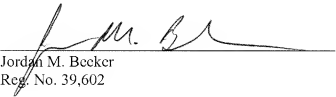
In view of the foregoing, Applicant respectfully submits the present application is now in condition for allowance. If the Examiner believes a telephone conference would expedite or assist in the allowance of the present application, the Examiner is invited to call the undersigned attorney at (408) 720-8300.

Please charge Deposit Account No. 02-2666 for any shortage of fees in connection with this response.

Respectfully submitted,  
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